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Page 3

(c) identifying other polypeptides of said polypeptide family exhibiting binding specificity for each of said first bound conformation and said second bound conformation of said ligand, thereby identifying at least two polypeptides having binding specificity for said first bound conformation and at least two polypeptides having binding specificity for said second bound conformation; and

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cont
(d) determining atoms of said polypeptides having a conserved location in three-dimensional space relative to said ligand and having binding specificity for said first bound conformation or said second bound conformation, wherein said conserved atoms are hydrogen bond donors or hydrogen bond acceptors to said bound ligand that are conserved between polypeptides that bind said first bound conformation or said second bound conformation but differ between a polypeptide that binds said first bound conformation and a polypeptide that binds said second bound conformation, thereby identifying at least two polypeptide pharmacofamilies exhibiting binding specificity for said two or more substantially different bound conformations of said ligand, wherein members of a pharmacofamily have conserved hydrogen bond donors and hydrogen bond acceptors to said bound ligand.

REMARKS

Claims 1-44 are pending. Claims 19-23 are under examination. Claims 1-18, 20, and 24-44 have been canceled. Claim 19 has been amended. Support for the amendment to claim 19